Emanuela Gussoni

List of Publications by Year
in descending order

54 papers	6,921 citations	159525 30 h-index	168321 53 g-index
54 all docs	54 docs citations	54 times ranked	5922 citing authors

#	Article	IF	Citations
1	Dystrophin expression in the mdx mouse restored by stem cell transplantation. Nature, 1999, 401, 390-394.	13.7	1,613
2	Title is missing!. Nature, 1999, 401, 390-394.	13.7	605
3	Stem and Progenitor Cells in Skeletal Muscle Development, Maintenance, and Therapy. Molecular Therapy, 2007, 15, 867-877.	3.7	522
4	Mutations in the Dystrophin-Associated Protein [IMAGE]-Sarcoglycan in Chromosome 13 Muscular Dystrophy. Science, 1995, 270, 819-822.	6.0	510
5	Î²â€“sarcoglycan (A3b) mutations cause autosomal recessive muscular dystrophy with loss of the sarcoglycan complex. Nature Genetics, 1995, 11, 266-273.	9.4	438
6	Normal dystrophin transcripts detected in Duchenne muscular dystrophy patients after myoblast transplantation. Nature, 1992, 356, 435-438.	13.7	406
7	Differentiation of pluripotent stem cells to muscle fiber to model Duchenne muscular dystrophy. Nature Biotechnology, 2015, 33, 962-969.	9.4	339
8	Brown-fat paucity due to impaired BMP signalling induces compensatory browning of white fat. Nature, 2013, 495, 379-383.	13.7	338
9	The fate of individual myoblasts after transplantation into muscles of DMD patients. Nature Medicine, 1997, 3, 970-977.	15.2	296
10	Demystifying SP cell purification: viability, yield, and phenotype are defined by isolation parameters. Experimental Cell Research, 2004, 298, 144-154.	1.2	154
11	The Three Human Syntrophin Genes Are Expressed in Diverse Tissues, Have Distinct Chromosomal Locations, and Each Bind to Dystrophin and Its Relatives. Journal of Biological Chemistry, 1996, 271, 2724-2730.	1.6	146
12	Long-term persistence of donor nuclei in a Duchenne muscular dystrophy patient receiving bone marrow transplantation. Journal of Clinical Investigation, 2002, 110, 807-814.	3.9	140
13	CD82 Is a Marker for Prospective Isolation of Human Muscle Satellite Cells and Is Linked to Muscular Dystrophies. Cell Stem Cell, 2016, 19, 800-807.	5.2	97
14	A role for nephrin, a renal protein, in vertebrate skeletal muscle cell fusion. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9274-9279.	3.3	90
15	Long-term persistence of donor nuclei in a Duchenne muscular dystrophy patient receiving bone marrow transplantation. Journal of Clinical Investigation, 2002, 110, 807-814.	3.9	89
16	Statistical Challenges in Functional Genomics. Statistical Science, 2003, 18, 33.	1.6	84
17	POMK mutations disrupt muscle development leading to a spectrum of neuromuscular presentations. Human Molecular Genetics, 2014, 23, 5781-5792.	1.4	72
18	Regulation of myogenic progenitor proliferation in human fetal skeletal muscle by BMP4 and its antagonist Gremlin. Journal of Cell Biology, 2006, 175, 99-110.	2.3	61

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19	Analysis of the T cell repertoire using the PCR and specific oligonucleotide primers. BioTechniques, 1992, 12, 728-35.	0.8	57
20	Specific T cell receptor gene rearrangements at the site of muscle degeneration in Duchenne muscular dystrophy. Journal of Immunology, 1994, 153, 4798-805.	0.4	52
21	A method to codetect introduced genes and their products in gene therapy protocols. Nature Biotechnology, 1996, 14, 1012-1016.	9.4	51
22	Tissue Triage and Freezing for Models of Skeletal Muscle Disease. Journal of Visualized Experiments, 2014, , .	0.2	48
23	C6ORF32 is upregulated during muscle cell differentiation and induces the formation of cellular filopodia. Developmental Biology, 2007, 301, 70-81.	0.9	41
24	Stem cell therapy for muscular dystrophy. Expert Opinion on Biological Therapy, 2004, 4, 1-9.	1.4	40
25	Gâ€protein coupled receptor 56 promotes myoblast fusion through serum response factorâ€and nuclear factor of activated Tâ€cellâ€mediated signalling but is not essential for muscle development inÂvivo. FEBS Journal, 2013, 280, 6097-6113.	2.2	39
26	Myotubularin-Deficient Myoblasts Display Increased Apoptosis, Delayed Proliferation, and Poor Cell Engraftment. American Journal of Pathology, 2012, 181, 961-968.	1.9	37
27	Differentiation of the human PAX7-positive myogenic precursors/satellite cell lineage in vitro. Development (Cambridge), 2020, 147, .	1.2	37
28	Intramuscular adipogenesis is inhibited by myo-endothelial progenitors with functioning Bmpr1a signalling. Nature Communications, 2014, 5, 4063.	5.8	36
29	Melanoma cell adhesion molecule is a novel marker for human fetal myogenic cells and affects myoblast fusion. Journal of Cell Science, 2006, 119, 3117-3127.	1.2	34
30	Role of bone marrow cell trafficking in replenishing skeletal muscle SP and MP cell populations. Journal of Cell Science, 2004, 117, 1979-1988.	1.2	33
31	Myogenic Potential of Muscle Side and Main Population Cells after Intravenous Injection into Sub-lethally Irradiated mdx Mice. Journal of Histochemistry and Cytochemistry, 2005, 53, 861-873.	1.3	33
32	Exosomal Small Talk Carries Strong Messages from Muscle Stem Cells. Cell Stem Cell, 2017, 20, 1-3.	5.2	30
33	T Cell Receptor BV Gene Rearrangements in the Spinal Cords and Cerebrospinal Fluid of Patients with Amyotrophic Lateral Sclerosis. Neurobiology of Disease, 1999, 6, 392-405.	2.1	29
34	Isolation of Primary Human Skeletal Muscle Cells. Bio-protocol, 2017, 7, .	0.2	29
35	Letters to the editor. Muscle and Nerve, 1992, 15, 1209-1215.	1.0	28
36	Myogenic reprogramming of retina-derived cells following their spontaneous fusion with myotubes. Developmental Biology, 2007, 311, 449-463.	0.9	27

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37	Bone marrow side population cells are enriched for progenitors capable of myogenic differentiation. Journal of Cell Science, 2008, 121, 1426-1434.	1.2	27
38	Î²4 Integrin Marks Interstitial Myogenic Progenitor Cells in Adult Murine Skeletal Muscle. Journal of Histochemistry and Cytochemistry, 2012, 60, 31-44.	1.3	27
39	Fam65b is important for formation of the HDAC6â€dysferlin protein complex during myogenic cell differentiation. FASEB Journal, 2014, 28, 2955-2969.	0.2	23
40	Inefficient dystrophin expression after cord blood transplantation in Duchenne muscular dystrophy. Muscle and Nerve, 2010, 41, 746-750.	1.0	21
41	Isolation and Characterization of Human Fetal Myoblasts. Methods in Molecular Biology, 2012, 798, 3-19.	0.4	20
42	Human Myoblasts and Muscle-Derived SP Cells. , 2005, 107, 097-110.		17
43	Human fetal skeletal muscle contains a myogenic side population that expresses the melanoma cell-adhesion molecule. Human Molecular Genetics, 2012, 21, 3668-3680.	1.4	17
44	Mouse Regenerating Myofibers Detected as False-Positive Donor Myofibers with Anti-Human Spectrin. Human Gene Therapy, 2014, 25, 73-81.	1.4	13
45	Purification of Myogenic Progenitors from Human Muscle Using Fluorescence-Activated Cell Sorting (FACS). Methods in Molecular Biology, 2019, 1889, 1-15.	0.4	13
46	Recent advances in and therapeutic potential of muscle-derived stem cells. Journal of Cellular Biochemistry, 2002, 85, 80-87.	1.2	10
47	Dystrophin abnormalities in Duchenne and Becker dystrophy carriers: correlation with cytoskeletal proteins and myosins. Journal of Neurology, 1993, 240, 455-461.	1.8	9
48	Tetraspanin CD82 is necessary for muscle stem cell activation and supports dystrophic muscle function. Skeletal Muscle, 2020, 10, 34.	1.9	9
49	Isolation and Immortalization of Patient-derived Cell Lines from Muscle Biopsy for Disease Modeling. Journal of Visualized Experiments, 2015, , 52307.	0.2	8
50	A defect in the inner kinetochore protein CENPT causes a new syndrome of severe growth failure. PLoS ONE, 2017, 12, e0189324.	1.1	8
51	Lysine methyltransferase 2D regulates muscle fiber size and muscle cell differentiation. FASEB Journal, 2021, 35, e21955.	0.2	8
52	Building immune tolerance through DNA vaccination. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9652-9654.	3.3	5
53	Carbamylated erythropoietin does not alleviate signs of dystrophy in mdx mice. Muscle and Nerve, 2011, 43, 88-93.	1.0	4
54	Muscular dystrophies and stem cells: a therapeutic challenge. Cytotherapy, 2002, 4, 513-519.	0.3	1